

Mouse Creatine Kinase, Mitochondrial 1B ELISA Kit | CKMT1B elisa kit

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CATALOG #
AAA86839

REACTIVITY
Mouse

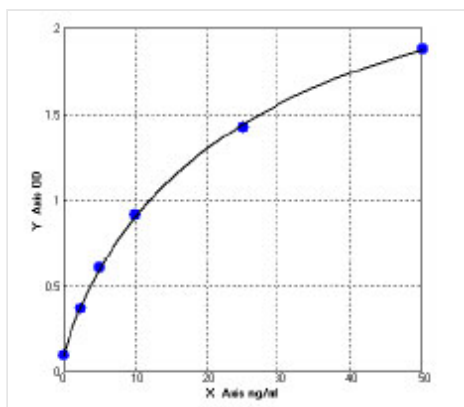
PRODUCT SYNONYMS

Creatine Kinase; Mitochondrial 1B; Mouse Creatine Kinase; Mitochondrial 1B ELISA Kit; CKMT1B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CKMT1B elisa kit

Intended Uses: This CK-MM ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CK-MM. This ELISA kit for research use only!

Principle of the Assay: CK-MM ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CK-MM antibody and an CK-MM-HRP conjugate. The assay sample and buffer are incubated together with CK-MM-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CK-MM concentration since CK-MM from samples and CK-MM-HRP conjugate compete for the anti-CK-MM antibody binding site. Since the number of sites is limited, as more sites are occupied by CK-MM from the sample, fewer sites are left to bind CK-MM-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CK-MM concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	10334859
NCBI GeneID	1159
NCBI Accession #	NP_066270.1
NCBI GenBank Nucleotide #	NM_020990.3
Molecular Weight	50,421 Da
NCBI Official Full Name	creatine kinase U-type, mitochondrial
NCBI Official Synonym Full Names	creatine kinase, mitochondrial 1B
NCBI Official Symbol	CKMT1B
NCBI Official Synonym Symbols	CKMT; CKMT1; UMTCK
NCBI Protein Information	creatine kinase U-type, mitochondrial; U-MtCK; mia-CK; ubiquitous mitochondrial creatine kinase; acidic-type mitochondrial creatine kinase; creatine kinase, mitochondrial 1 (ubiquitous)
UniProt Protein Name	Creatine kinase U-type, mitochondrial
UniProt Gene Name	CKMT1A
UniProt Synonym Gene Names	CKMT CKMT1B ; CKMT; Mia-CK; U-MtCK
UniProt Entry Name	KCRU_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ckmt1b-mouse-elisa-kits/creatine-kinase-mitochondrial-1b/86839>